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NPIC/R-1151/64

March 1964

PHOTOGRAPHIC INTERPRETATION REPORT

IPIR
GOLDEN TREE MISSION 3866
18 MARCH 1964

Declass Review by
NIMA/DOD

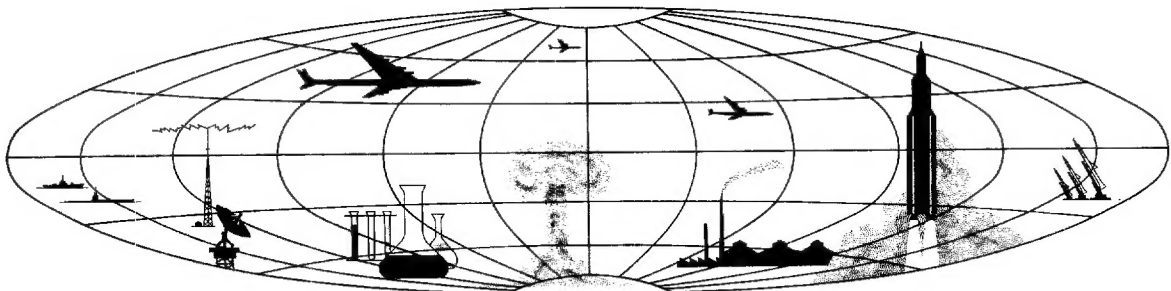


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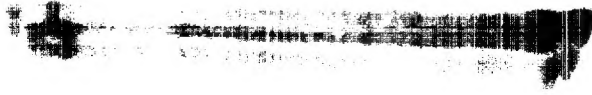


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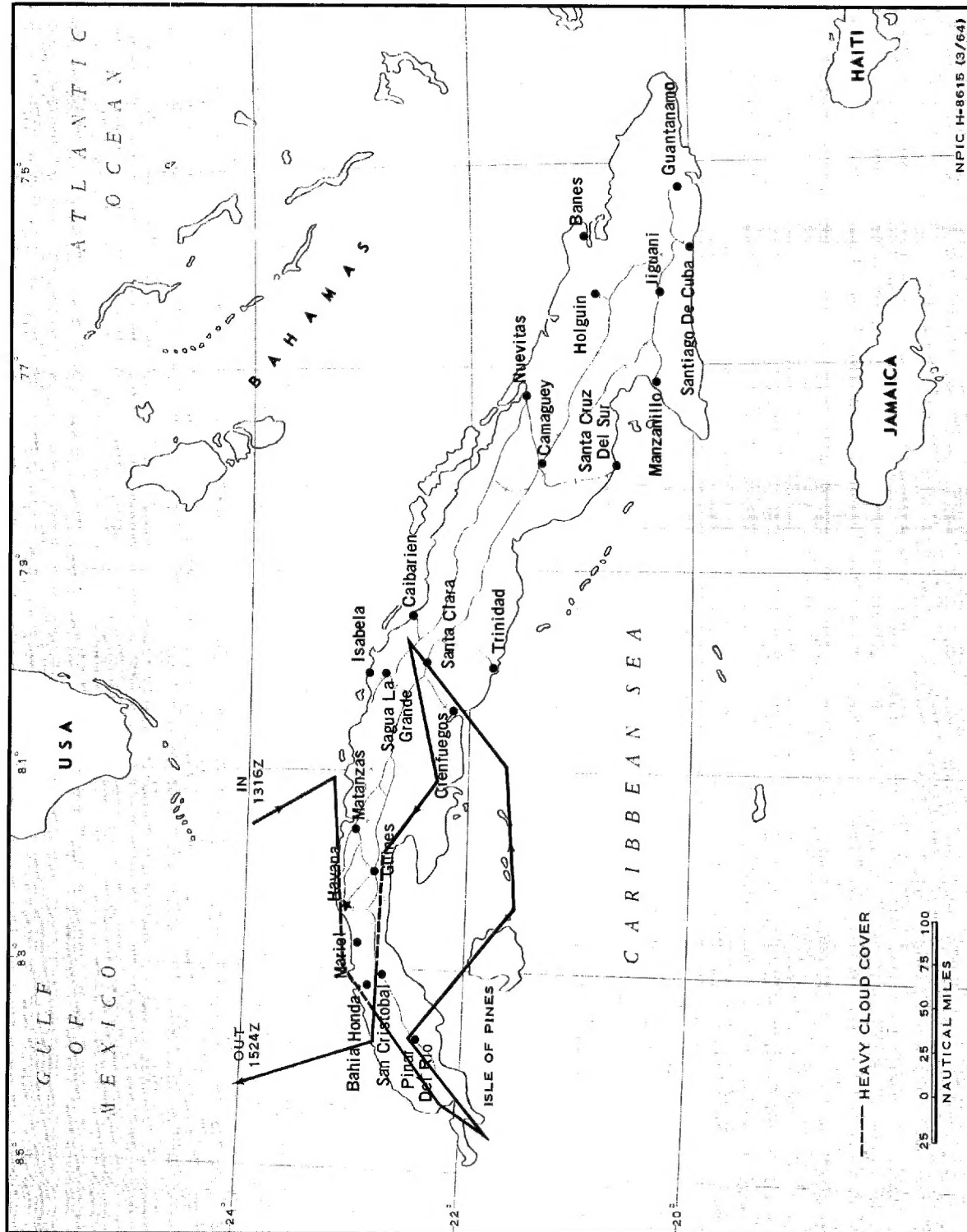
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PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GOLDEN TREE MISSION 3866, DATED 18 MAR 1964. THE NUMBER APPEARING AT THE END OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), PQ (POOR IMAGE QUALITY).

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APPROXIMATE TRACK OF GOLDEN TREE MISSION 3866, 18 MARCH 1964.

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MISSILES

SAN JULIAN SAM SITE 2205N 08408W

SIX REVETTED LAUNCHERS (5 CANVAS-COVERED AND ONE PARTIALLY COVERED), 3 NET-COVERED HOLD AREAS, 8 CARGO TRUCKS, 2 VAN TRUCKS, AND A GUIDANCE REVETMENT WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.

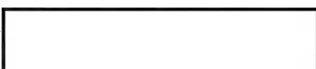
TWO ADDITIONAL LAUNCHERS, A FAN SONG RADAR, 6 VAN TRUCKS, AND 5 VAN TRAILERS REMAIN ADJACENT TO THE RING ROAD.

NO APPARENT CHANGE IN FACILITIES.



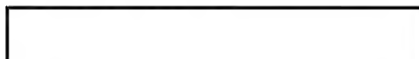
MATANZAS SAM SITE 2301N 08129W

SIX UNREVVETTED LAUNCHERS (ONE CANVAS-COVERED), AT LEAST 3 MISSILE TRANSPORTERS, AND A GUIDANCE AREA WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.



CIENFUEGOS SAM SITE 2202N 08024W

SIX UNREVVETTED LAUNCHERS (3 WITH MISSILES), 12 MISSILE TRANSPORTERS (2 WITH UNCOVERED MISSILES AND ONE ADJACENT TO A LAUNCHER), 3 NET-COVERED HOLD AREAS, AT LEAST 5 TRACKED PRIME MOVERS, 4 CARGO TRUCKS, ONE VAN TRUCK, ONE UTILITY TRUCK, ONE TRUCK-MOUNTED CRANE, ONE POSSIBLE TRUCK-MOUNTED CRANE, 3 OTHER VEHICLES, 2 MISSILE CANISTERS, AND A GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.



SAGUA LA GRANDE SAM SITE 2251N 08005W

SIX REVETTED LAUNCHERS (4 CANVAS-COVERED AND 2 WITH MISSILES), 2 MISSILE TRANSPORTERS (ONE CANVAS-COVERED AT LAUNCHER), ONE CANVAS-COVERED HOLD

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AREA, AND A GUIDANCE REVETMENT CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED IN CLOUD-FREE AREAS. TWO ADDITIONAL SA-2 LAUNCHERS, 7 OTHER VEHICLES, AND 3 PROBABLE VAN TRAILERS ARE ADJACENT TO A HOLD AREA.

25X1

CAIBARIEN SAM SITE 2228N 07929W

25X1

SIX UNREVIEWED LAUNCHERS (ONE WITH MISSILE AND ONE CANVAS-COVERED), ONE CANVAS-COVERED MISSILE TRANSPORTER ADJACENT TO A LAUNCHER, A CANVAS-COVERED HOLD AREA, 3 OTHER VEHICLES, 3 VAN TRAILERS, AND A GUIDANCE AREA WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. FACILITIES INCLUDE 15 LARGE TENTS (9 NON-SOVIET), ONE MEDIUM TENT, 2 SMALL TENTS, AND A CANVAS-COVERED PARKING AREA.

25X1

PINAR DEL RIO SAM ASSEMBLY AREA 2221N 08339W

25X1

AT LEAST 16 MISSILE TRANSPORTERS (8 WITHOUT PRIME MOVERS), 5 PROBABLE TRACTOR-TRAILER TRUCKS, AND AT LEAST 8 OTHER VEHICLES OBSERVED.

25X1

MANAGUA SAM SITE 2259N 08215W

SIX REVIEWED LAUNCHERS, 3 MISSILE TRANSPORTERS (2 ADJACENT TO LAUNCHERS), 2 ADDITIONAL LAUNCHERS (ONE ADJACENT TO A LAUNCH REVETMENT AND ONE IN SUPPORT AREA), AND A GUIDANCE REVETMENT WITH RADAR AND NET-COVERED EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.

25X1

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MAJANA SAM SITE 2241N 08249W

SIX UNREVIEWED LAUNCHERS (2 WITH MISSILES AND ONE CANVAS-COVERED), 3 CANVAS-COVERED MISSILE TRANSPORTERS, 2 NET-COVERED HOLD AREAS, 6 TRACKED PRIME MOVERS, 2 TRUCK-TRACTORS, 2 CARGO TRUCKS, 2 OTHER VEHICLES, 3 VAN TRAILERS, AND AN UNREVIEWED GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1

25X1

LA COLOMA SAM SITE 2 2219N 08334W

SIX UNREVIEWED LAUNCHERS (3 CANVAS-COVERED), 2 PROBABLE MISSILE TRANSPORTERS, AT LEAST 5 OTHER VEHICLES, AND 3 VAN TRAILERS. NO APPARENT CHANGE IN FACILITIES.

25X1

SANTA CLARA SAM SITE 2229N 08000W

SIX UNREVIEWED LAUNCHERS (3 WITH MISSILES AND 3 CANVAS-COVERED), 2 CANVAS-COVERED HOLD AREAS, 8 TRACKED PRIME MOVERS (4 CANVAS-COVERED), 7 CARGO TRUCKS, 6 OTHER VEHICLES, 3 PROBABLE VAN TRAILERS, AND A GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD 2229N 07955W

AIRCRAFT -- 9 FAGOT/FRESCO, 9 HOUND, AND 2 HARE OBSERVED IN CLOUD-FREE AREAS.

25X1

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CORONEL PASCUAL AIRFIELD 2307N 08117W

AIRCRAFT -- ONE COLT, 2 LIAISON, AND 3 HOUND.

25X1 [REDACTED]

SAN ANTONIO DE LOS BANOS AIRFIELD 2252N 08230W

AIRCRAFT -- 32 FISHBED, 3 FARMER, AND 5 FAGOT
OBSERVED IN CLOUD-FREE AREAS.
THE 12 AIRCRAFT SHIPPING CRATES REMAIN.

25X1 [REDACTED]

SAN JULIAN AIRFIELD 2205N 08409W

AIRCRAFT -- 8 FAGOT/FRESCO, 28 ZLIN TRENER, AND 9
LIAISON.

25X1 [REDACTED]

PLAYA BARACOA AIRFIELD 2302N 08234W

AIRCRAFT -- ONE CRATE, ONE PROBABLE C-47, ONE
LIAISON, AND 4 HOUND OBSERVED IN CLOUD-FREE AREAS.

25X1 [REDACTED]

PINAR DEL RIO AIRFIELD 2225N 08340W

AIRCRAFT -- 5 COLT AND ONE LIAISON.

25X1 [REDACTED]

CAIBARIEN AIRFIELD 2230N 07928W

AIRCRAFT -- 2 LIAISON.

25X1 [REDACTED]

25X1

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NAVAL ACTIVITY/PORTS

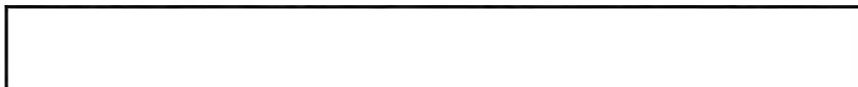
MARIEL NAVAL BASE AND NAVAL AIR STATION 2259N 08244W

VESSELS -- 3 S.O.I.-CLASS SC OBSERVED IN
CLOUD-FREE AREAS.



CIENFUEGOS NAVAL BASE 2208N 08027W

VESSELS -- 2 KRONSTADT-CLASS PC (AT SEA,
SOUTH OF PORT), ONE PCE, 6 P-6 MTB, ONE YP AND 2
LARGE FREIGHTERS OBSERVED IN CLOUD-FREE AREAS.



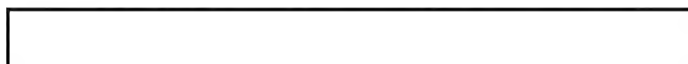
NUEVA GERONA PORT 2153N 08248W

NO LARGE VESSELS OBSERVED.



LA ISABELA PORT 2256N 08000W

VESSELS -- 2 LARGE FREIGHTERS.



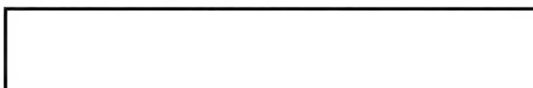
CARDENAS PORT 2302N 08111W

VESSELS -- ONE LARGE FREIGHTER.



MATANZAS PORT 2302N 08134W

VESSELS -- 4 LARGE FREIGHTERS AND ONE
COASTAL TANKER OBSERVED.



25X1

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KAWAMA MARINA 2307N 08117W

VESSELS -- 2 PROBABLE P-4 MTB.

25X1

25X1

MILITARY ACTIVITY

ARTEMISA MILITARY CAMP 2250N 08248W

NO APPARENT CHANGE IN PERMANENT FACILITIES.
FIFTY LARGE TENTS (46 NON-SOVIET), AT LEAST
15 PROBABLE TANKS/SP GUNS, 81 CARGO TRUCKS, 4
UTILITY TRUCKS, 29 OTHER VEHICLES, AND 60 FA
PIECES OBSERVED.

THE 6-GUN AAA SITE IS OCCUPIED.
THE 9-GUN AAA SITE IS UNOCCUPIED.

25X1

REMEDIOS MILITARY AREA 2227N 07935W

MAIN CAMP -- EXTENSIONS, APPROXIMATELY 35 FT
IN LENGTH, ARE BEING ADDED TO 8 OF THE 12
BARRACKS. TWENTY-SEVEN LARGE TENTS (18 NON-SOVIET),
3 MEDIUM NON-SOVIET TENTS, 6 BRDM APC, 37 CARGO
TRUCKS, 5 UTILITY TRUCKS, 4 OTHER VEHICLES, 5
CARGO TRAILERS, AND AT LEAST 10 FA PIECES. THE
6-GUN AAA SITE IS OCCUPIED.
CAMP 0.8 NM NW HAS BEEN ABANDONED AND WILL NOT BE
REPORTED OUT UNLESS IT BECOMES REACTIVATED.
OBLIQUITY LIMITS INTERPRETATION.

25X1

SANTA CLARA AREA MILITARY ACTIVITY 2220N 07957W

NO APPARENT CHANGE IN FACILITIES.
TWENTY-THREE TANKS/SP GUNS AND 4
CARGO TRUCKS OBSERVED.

25X1

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25X1

LIMONAR MILITARY CAMP SE 2255N 08124W

NO APPARENT CHANGE IN FACILITIES.
TWENTY-ONE PROBABLE TANKS/SP GUNS AND APPROXIMATELY
45 OTHER VEHICLES OBSERVED.

25X1

SANTA FE MILITARY CAMP LUMUMBA 2142N 08249W

TEN CARGO TRUCKS OBSERVED IN CLOUD-FREE AREAS.

25X1

MESTANZA EXPLOSIVE STORAGE SITE 2228N 08347W

NO APPARENT CHANGE IN FACILITIES.
TWO TRACTOR-TRAILER TRUCKS OBSERVED
IN SECURED AREA.

25X1

JURAGUA MILITARY ACTIVITY 2209N 08035W

NO APPARENT CHANGE IN FACILITIES.
FOURTEEN CARGO TRUCKS AND 11 FA PIECES OBSERVED.
OBLIQUITY AND FOLIAGE LIMIT INTERPRETATION.

25X1

GUANE MILITARY CAMP 2212N 08408W

NO APPARENT CHANGE IN FACILITIES.
AT LEAST 18 TANKS/SP GUNS AND 30 CARGO
TRUCKS OBSERVED.

25X1

ZARAGOZA MILITARY CAMP 2256N 08204W

FACILITIES INCLUDE AT LEAST 5 BUILDINGS AND
7 LARGE NON-SOVIET TENTS.
AT LEAST 3 UNIDENTIFIED VEHICLES, 24 FA/AAA

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PIECES, AND AN OCCUPIED 6-GUN AAA SITE OBSERVED.

25X1

GUANABANA MILITARY AREA 2258N 08132W

NORTH AREA -- 19 CARGO TRUCKS AND 18 OTHER
VEHICLES OR PIECES OF EQUIPMENT.
SOUTH AREA -- CLOUD-COVERED.

25X1

GUANABANA AREA MILITARY CAMP 2258N 08134W

NO APPARENT CHANGE IN FACILITIES.
FIFTEEN TANKS/SP GUNS OBSERVED.

25X1

MARTI AREA ARMOR TRAINING AREA 2258N 08059W

SEVEN UNIDENTIFIED VEHICLES OBSERVED.
OBLIQUITY LIMITS INTERPRETATION.

25X1

SANTA CLARA AREA ARTILLERY TRAINING AREA 2222N 08000W

AREAS 1-5 -- NO APPARENT CHANGE IN FACILITIES.
AREA 1 -- 12 CANVAS-COVERED BRDM APC, 7 CARGO TRUCKS,
ONE VAN TRUCK, ONE OTHER VEHICLE, AND 3 CARGO
TRAILERS.
AREA 2 -- NO VEHICLES OR EQUIPMENT OBSERVED.
AREA 3 -- NO VEHICLES OR EQUIPMENT OBSERVED.
AREA 4 -- 16 CARGO TRUCKS AND ONE UTILITY TRUCK.
AREA 5 -- 22 TANKS/SP GUNS, 11 CARGO TRUCKS,
ONE PROBABLE POL TRUCK, ONE UTILITY TRUCK, AND
ONE VAN TRAILER.

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JAGUA MILITARY AREA 2205N 08029W

NO APPARENT CHANGE IN FACILITIES.
EIGHTEEN CARGO TRUCKS OBSERVED.
IMMEDIATELY SE OF CAMP -- CLEARED AREA CONTAINS
ONE LARGE AND 2 SMALL BUILDINGS. SURFACING
OF 2 LARGE AND 3 SMALLER PARKING AREAS OBSERVED.

25X1

25X1

SANTA CLARA MILITARY CAMP CUBANACAN 2224N 07952W

ALL AREAS -- NO APPARENT CHANGE IN FACILITIES.
CUBANACAN -- 27 CARGO TRUCKS, 2 UTILITY TRUCKS,
6 VAN TRUCKS, AND 7 OTHER VEHICLES OBSERVED IN
CLOUD-FREE AREAS.
ESCUELA TECNOLOGICA -- 4 CARGO TRUCKS.
STORAGE AREA NORTH -- ONE CARGO TRUCK
AND 2 SEDANS.

25X1

SANTA FE MILITARY AREA 2144N 08247W

MAIN CAMP -- 9 FA PIECES OBSERVED IN
CLOUD-FREE AREAS.
AREA 1.5 NM WEST -- NO APPARENT CHANGE
IN FACILITIES. SIX UNIDENTIFIED VEHICLES OBSERVED
IN CLOUD-FREE AREAS. THE 6-GUN AAA SITE
REMAINS OCCUPIED.
AREA 4.8 NM NW -- NO APPARENT CHANGE IN FACILITIES.
NO VEHICLES OR EQUIPMENT OBSERVED IN CLOUD-FREE
AREAS. ONE OCCUPIED 3-GUN AAA SITE OBSERVED.

25X1

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-STATUS OF OTHER TARGETS OBSERVED-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE
SINCE LAST COVERAGE--

SAGUA LA GRANDE MRBM SITE 2	2239N 07951W
COLONEL MARTIN MARRERRO AIRFIELD	2150N 08246W
JAIME GONZALES AIRFIELD	2209N 08024W
CAIBARIEN PORT	2231N 07928W
SURGIDERO DE BATABANO PORT	2241N 08217W
MATAGUA MILITARY CAMP	2215N 08002W
MATANZAS LANDING BEACH	2301N 08126W
VARADERO LANDING BEACH	2308N 08118W
CIENFUEGOS LANDING BEACH	2202N 08036W
ENSENADA COLORADO LANDING BEACH	2202N 08025W
PLAYA COLOMBO LANDING BEACH	2154N 08246W
PLAYA DE FLAMENCOS LANDING BEACH	2153N 08243W

25X1

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT
NOT INTERPRETED--

SIGUANEA SAM SITE	2137N 08257W
DELEITE SAM SITE	2259N 08045W
CIFUENTES SAM ASSEMBLY AREA	2236N 08005W
LA SALUD SAM SITE	2253N 08224W
GUARA SAM SITE	2248N 08213W
SIGUANEA CRUISE-MISSILE SITE	2137N 08258W
GUERRA CRUISE-MISSILE STORAGE	2300N 08250W
SIGUANEA AIRFIELD	2138N 08257W
SIGUANEA NAVAL BASE	2136N 08258W
PINAR DEL RIO MILITARY CAMP	2223N 08342W
LA FLORA MILITARY STORAGE AREA	2252N 08233W
SANTIAGO DE LAS VEGAS MILITARY CAMP	2258N 08220W
MADRUGA MILITARY AREA	2255N 08149W
MANAGUA MILITARY CAMP	2258N 08217W
HAVANA MILITARY CAMP CALABAZAR	2300N 08218W
SAN JOSE DE LAS LAJAS STORAGE	2258N 08212W
LA JUTIA MILITARY INSTALLATION	2154N 08015W
CANTEL MILITARY CAMP	2302N 08119W
GUANAJAY MILITARY CAMP MARTIN MESA	2257N 08243W
LIMONAR TANK TRAINING AREA	2254N 08121W
ANTON RECIO MILITARY INSTALLATION	2211N 08036W
MANICARAGUA STORAGE AREA	2206N 07958W
SPECIAL AREA HOTEL	2301N 08248W
SPECIAL AREA BRAVO BLUE	2253N 08232W
SPECIAL AREA VICTOR	2302N 08235W

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SPECIAL AREA TANGO

2259N 08244W

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